

Part 11 – Constructors

I.Objective Type Questions:

1. A class having multiple definitions of constructors is termed as Constructor ----
A) Abstraction
B) Overlaying
C) Overloading
D) Multiclass
2. If a class has no constructor, then:
A) A Syntax error occurs
B) A Runtime error occurs
C) The program will be unable to call the main method
D) The compiler automatically generates one
3. Name the keyword that stores the address of currently-calling object:
A) this
B) that
C) current
D) void
4. The constructor has a return type of:
A) int
B) void
C) no return type
D) String
5. A member method with the same name as class:
A) is not allowed in Java
B) is called a constructor
C) is only allowed in a sub class
D) is only allowed in a super class
6. Name the keyword that refers to the current object:
A) void
B) main
C) this
D) instance
7. A constructor is invoked:
A) at the time of program compilation
B) at the time of object creation
C) at the time of object comparison
D) after all objects in a class have been initialised

8. It is allowed to have a member method with a name same as that of the class when:
- A) it is a constructor**
 - B) the class is a super class
 - C) the class is a sub class
 - D) the class has void methods
9. Given a class named Rectangle, which is/are valid constructor names of the class:
- A) public Rectangle ()
 - B) public Rectangle (int length)
 - C) public Rectangle (int length, int width)
 - D) All of the above are valid constructors**
10. Given a class named Student, which is a valid constructor name of the class:
- A) public Student()**
 - B) public void Student()
 - C) public student()
 - D) public void student()
11. A constructor can be invoked only via the:
- A) increment operator
 - B) new operator**
 - C) this operator
 - D) ternary operator
12. Given a class named Cuboid, which statement invokes the default constructor:
- A) Cuboid cuboid = new**
 - ~~B) Cuboid cuboid = new Cuboid(10);~~
 - C) Cuboid cuboid = new Cuboid(10, 20);
 - D) Cuboid cuboid = new Cuboid(10, 20, 30);
13. Name the keyword that is used to resolve the conflict between parameter and instance variables:
- A) reference
 - B) new
 - C) this**
 - D) void

14. Predict the output of the following code:

```
public class TestFlag  
{  
    privateboolean flag;
```

```

public static void main(String args[])
{
    TestFlagobjTest = new TestFlag();
    System.out.println(objTest.flag);
}
}

```

- A) null
- B) true
- C) false**
- D) Runtime error as variable flag is not initialised

15. Predict the output of the following code:

```

public class TestValue
{
    private int value;

    public static void main(String args[])
    {
        TestValueobjValue = new TestValue();
        System.out.println(objValue.value);
    }
}

```

- A) null
- B) 0**
- C) Syntax error as variable value is not initialised
- D) Runtime error as variable value is not initialised